Amendments to the Claims

Please amend the claims as follows:

- 1. (Cancelled)
- 2. (Currently Amended) A recombinant substantially purified polypeptide comprising the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 3. (Cancelled)
- 4. (Currently Amended) A recombinant substantially purified polypeptide comprising an amino acid sequence having at least about 80% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 5. (Currently Amended) The recombinant substantially purified polypeptide of claim 4, wherein said amino acid sequence has at least 85% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 6. (Currently Amended) The recombinant substantially purified polypeptide of claim 5, wherein said amino acid sequence has at least 90% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 7. (Currently Amended) The recombinant substantially purified polypeptide of claim 6, wherein said amino acid sequence has at least 95% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.

- 8. (New) The substantially purified polypeptide of claim 7, wherein said amino acid sequence has at least 98% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 9. (New) The substantially purified polypeptide of claim 8, wherein said amino acid sequence has at least 99% sequence identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 10. (New) A transformed plant comprising an amino acid sequence encoding a polypeptide, wherein said amino acid sequence exhibits a 90% or greater identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 11. (New) The transformed plant of claim 10, wherein said plant is a Sorghum plant.
- 12. (New) A transformed seed comprising a transformed plant cell comprising an amino acid sequence encoding a polypeptide, wherein said amino acid sequence exhibits a 90% or greater identity with the amino acid sequence of SEQ ID NO: 44,293 or a fragment thereof.
- 13. (New) The transformed seed of claim 12, wherein said seed is a Sorghum seed.